



EXCEDED PROCEDURE - EXAMINING GROUP 2826

S/N 09/941123

PATENT

Please do NOT enter. Thanks. *[Signature]* (3/5/03) J. Mondt
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Gurtej S. Sandhu et al.

Examiner: Johannes P Mondt

Serial No.: 09/941123

Group Art Unit: 2826

Filed: August 28, 2001

Docket No.: 303.676US3

Title: CHEMICAL VAPOR DEPOSITION OF TITANIUM

AMENDMENT & RESPONSE UNDER 37 C.F.R. § 1.116

Box AF
Commissioner for Patents
Washington, D.C. 20231

In response to the final Office Action mailed December 18, 2002, please amend the application as follows:

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#81AmendC
(3/5/03)
Annam
3/4/03

IN THE CLAIMS

Please substitute the claim set in the appendix entitled Clean Version of Pending Claims for the previously pending claim set. The substitute claim set is intended to reflect amendment of previously pending claim 59. The specific amendments to individual claims are detailed in the following marked up set of claims.

59. (Amended) A memory device, comprising:

a memory array;
a control circuit operatively coupled to the memory array; and
an I/O circuit operatively coupled to the memory array;

wherein at least one of the memory array, control circuit and I/O circuit comprises a titanium alloy layer formed on overlying walls of a contact opening, wherein the titanium alloy layer is produced using a method, the method comprising:

forming a seed layer [supported by a substrate] within the contact opening by combining a first precursor with a first reducing agent; and

forming the titanium alloy layer [supported by a substrate] within the contact opening by combining a titanium-containing precursor with the seed layer.